

## Modified Peptides as Therapeutic Agents

### Abstract

5        The present invention concerns fusion of Fc domains with biologically active peptides and a process for preparing pharmaceutical agents using biologically active peptides. In this invention, pharmacologically active compounds are prepared by a process comprising:

10      a)     selecting at least one peptide that modulates the activity of a protein of interest; and  
                b)     preparing a pharmacologic agent comprising an Fc domain covalently linked to at least one amino acid of the selected peptide.

15      Linkage to the vehicle increases the half-life of the peptide, which otherwise would be quickly degraded in vivo. The preferred vehicle is an Fc domain. The peptide is preferably selected by phage display, E. coli display, ribosome display, RNA-peptide screening, or chemical-peptide screening.